

21 Apr 2003

DESKTOP MICROCOMPUTER SPECIFICATIONS

*** NOTE REGARDING NEW CEFMS CARD READER KITS ***

The older WINSIG card reader kits require an ISA slot on the motherboard. ISA slots are now obsolete so if you are ordering a new computer for someone who needs ESIG capabilities, you will also need to purchase a new PCI Argus card reader kit. These can be ordered as follows:

Jones Automation, Inc.
POC is Laura Darnell at 256-864-0068

GradKell Systems
The POC is Wayne at 256-722-8585 ext. 37

To meet differing budgets, we now list both “Minimum” and “Recommended” specs for most items as defined below. You can, of course, select items from either section or anywhere in between to obtain a computer that fits your needs at the right price.

Minimum - use these specs if purchasing a new computer and budget is a major concern. It is not recommended to purchase any item that does not meet the minimum spec listed.

Recommended – use these specs if cost is not a factor and you want the computer to be up to speed with all current technologies. These specs are updated approximately every 2-3 months and may not specify the most current items. Feel free to upgrade any item.

1. Requirements define a stand-alone microcomputer configuration. The selected Information Technology (IT) equipment will conform to all IT industry standards and will specifically and minimally include:
2. CPU - A true Intel Pentium 4 processor, **Minimum 2.2 GHz** or **Recommended 2.8 GHz** clock speed with real-time clock and battery backup.
3. Memory - **Minimum 512 MB** or **Recommended 1 Gig.**
4. Monitor – **Minimum 17" SVGA non-interlaced color monitor** or **Recommended 17-18" LCD flat panel monitor** with 1600 X 1200 @ 66 Hz pixel resolution and .26 MM or less dot pitch
5. Video – AGP video card (128 bit processor) with **Minimum 32 MB** or **Recommended 64 MB** of memory.
6. Storage – **Minimum 40 GB** or **Recommended 80 GB** 7200 RPM Ultra ATA hard drive.
7. Integrated EIDE controller with the capability to support (2) hard drives, (2) CD-Rom drives and (1) floppy drive.
8. Floppy - One 1.44 MB 3.5" floppy drive.

9. CD - **Minimum 52x CD-Rom drive** or **Recommended 16x/48x DVD Rom and 40x/12x/48x CDRW drives.**
10. Audio - Full multimedia system to include PCI SoundBlaster 128 compatible sound card, shielded speakers, and subwoofer.
11. External Ports – **Minimum (2)** or **Recommended (4)** USB ports, (1) parallel port, (2) serial ports and (2) PS2 mouse/keyboard ports.
12. Motherboard - PCI local bus motherboard with expansion slots to include (5) PCI slots and (1) AGP slot.
13. Keyboard – 104-key PS2 keyboard. -- **IM has noted potential problems with using specific types of keyboards with CEFMS card readers. The problems have been with USB keyboards using a PS2 adapter to connect to the Argus board. Therefore, IM recommends that if you have a CEFMS card reader that you only order and/or use keyboards with standard PS2 connections. Please contact the Helpdesk if you are unsure about USB and PS2 connections.**
14. Mouse – **Minimum standard PS2 mouse** or **Recommended PS2 or USB optical wheel mouse** with mouse pad.
15. Network – 3Com PCI 10/100 twisted pair Ethernet network card.
16. Software – **Microsoft Windows 2000 Professional** and all drivers for third-party hardware. Operational manuals and complete system documentation, including that for all third party hardware and software.
NOTE: Some vendors charge extra for Windows 2000. We have a site license for it so you may opt to have the computer shipped with a different operating system or no operating system at all and IM can install Windows 2000 after it arrives. However, if you do this please make sure that all components are Windows 2000 compatible and that a Windows 2000 driver disk is included.
17. Case - Mini tower cabinet with 5 half-height installed storage bays, 3 of which being easily accessible via removable covers.
18. Expansion Slots - PCMCIA Card Reader, supporting a minimum of (2) PCMCIA cards of the Type II height in a stacked configuration. – **Note that this item is no longer a requirement and can be deleted. One reason to consider ordering a PCMCIA card reader is if you use a digital camera with a flash card.**
19. Warranty & Support – 3-year parts/labor/onsite warranty, an **unconditional** 30-day money-back guarantee, and toll-free technical support
20. Other – Computer hardware and software shall be completely installed and configured per the above specification, and shall be tested at the factory, prior to shipment.

21. Must meet the Environmental Protection Agency (EPA) "Energy Star" requirements for energy efficiency.